

Title (en)
Electromechanical actuator

Title (de)
Elektromechanischer Betätiger

Title (fr)
Actionneur électromécanique

Publication
EP 2842822 A2 20150304 (EN)

Application
EP 14169597 A 20140523

Priority
US 201313935120 A 20130703

Abstract (en)
An electromechanical actuator ("EMA") may comprise a ball screw (204) having at least one tab (208) extending from an inner surface thereof and/or an actuator drive unit ("ADU") housing (202) that interfaces with the at least one tab (208). The ball screw (204) may include three tabs (208a, 208b, 208c) extending from the inner surface thereof. An outer surface of the ball screw (204) may be threaded to mate with a threaded portion of an inner surface of the ADU housing (202), and/or the ADU housing (202) may interface with the at least one tab (208), and the ball screw (204) may be rotated to translate a ball nut (206) situated concentrically over ball screw (204) axially. The ADU housing (202) may include a gear train assembly (102) having a carrier plate (104), wherein the carrier plate (104) includes at least one receptacle (106).

IPC 8 full level
B60T 13/74 (2006.01); **B64C 25/42** (2006.01); **F16D 55/226** (2006.01); **F16D 65/18** (2006.01)

CPC (source: EP US)
B60T 13/741 (2013.01 - EP US); **F16D 55/226** (2013.01 - EP US); **F16D 65/18** (2013.01 - EP US); **F16H 25/2204** (2013.01 - US); **B64C 13/504** (2017.12 - EP US); **F16D 2121/24** (2013.01 - EP US); **F16D 2125/36** (2013.01 - EP US); **F16D 2125/40** (2013.01 - EP US); **F16D 2125/50** (2013.01 - EP US); **Y10T 74/19749** (2015.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2015007679 A1 20150108; **US 9482326 B2 20161101**; EP 2842822 A2 20150304; EP 2842822 A3 20160803; EP 2842822 B1 20200506

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US 201313935120 A 20130703; EP 14169597 A 20140523